

Medium Frequency 1 MHz-25 MHz Fundamental Type

Specifications

General Purpose (GP) crystals will be calibrated to within $\pm .01\%$ of frequency. GP crystals will hold temperature tolerance of $\pm .005\%$ from -30° to 60°C .

Commercial Standard (CS and CS-1) crystals will be calibrated to either .0025% or .001% as specified for operation in customers load. CS crystals will hold temperature tolerance $\pm .003\%$ -30°C to 60°C . A calibration tolerance of $\pm .001\%$ can be obtained with the CS-1 crystal.

High Accuracy (HA) and (HA-5) crystals are for use in circuits where tolerances better than $\pm .002\%$, -30°C to 60°C are required. Tolerances of .0005% (HA-5) over the range -30° to 60°C will require circuit compensation. Without compensation, the range will be limited to -10° to 60°C . Compensators are not included with the crystals and tolerance is for crystals only and does not allow for any change in circuit parameters over the temperature range.

Mode of Oscillation

1,000-25,000 KHz Shear AT

Shunt Capacitance

9 pf Maximum

Resistance

1,000- 1,499 MHz...490 Ohms
1,500- 1,999 MHz...375 Ohms
2,000- 2,999 MHz...270 Ohms
3,000- 3,999 MHz...150 Ohms
4,000-22,000 MHz...75 to 25 Ohms

Drive (Maximum)

1,000- 9,999 KHz... 10 Milliwatts
10,000-22,000 KHz... 4 Milliwatts
22,000-25,000 KHz... 1 Milliwatt

When ordering, specify the following for each crystal

Quantity

Catalog Number

Crystal Frequency

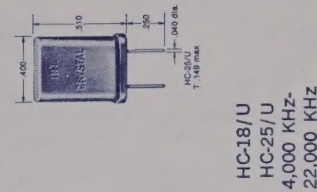
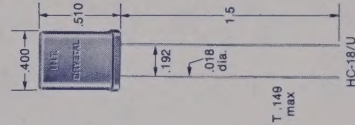
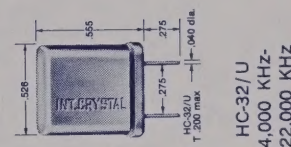
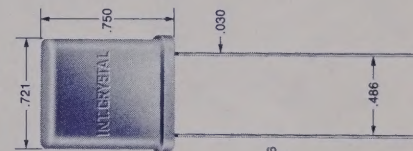
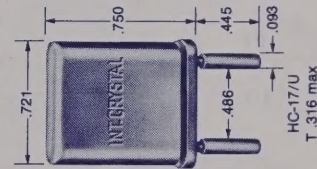
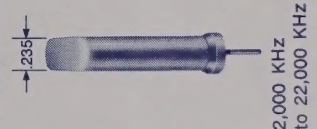
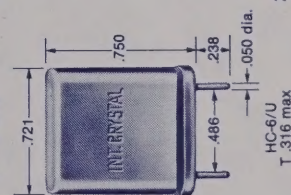
The table at right will enable you to convert the above information to the catalog number section of the M/S Order Card. The first two digits will relate to the calibration temperature, and the remaining four digits will relate to the crystal frequency, type, holder, and the circuit load, in this order.

Prices Effective February 1, 1978

Calibration Temperature				Range		Type	Holder	Load
1	2	3	4	5				
1.0-1.49 MHz	1.5-2.99 MHz	3.-10.99 MHz**	11-19.9 MHz	20-25 MHz				
\$ 9.40	\$ 7.40	\$ 5.90	\$ 7.40	\$ 9.40	1 GP			Series 0
12.40	8.30	6.35	8.30	11.40	2 CS			10 pf 1
15.00	9.40	7.35	9.40	12.40	3 CS-1			15 pf 2
N/A	9.40	7.90	9.40	12.40	4 HA			20 pf 3
N/A	N/A	10.90**	10.90	13.90	5 HA-5			24 pf 4
								32 pf 5
								43 pf 6
								56 pf 7
								68 pf 8
								100 pf 9

*Available 2-2.99 MHz
**FM Holder available above 6 MHz.

1 F-605
2 F-605SL
3 F-609
4 F-700
5 F1-4
6 FM-1
7 FM-2



Note: Other Dimensions Same as F-605



